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December 20, 1999

TO: Minerals File

FROM: Doug Jensen, Reclamation Specialist 

RE: Site Inspection, North Lily Mining Company, Tintic Project, M/023/007, Juab County, Utah

Date of Inspection: December 7, 1999  
Time of Inspection: 9:30 A.M.  
Conditions: Cloudy and cool  
Participants: Gene Webb, Steve Flechner, Elwin Ewell, North Lily Mining; Tom Munson, Lynn Kunzler, and Doug Jensen, DOGM

Purpose of Inspection: To review mitigation of Non-compliance issues.

We arrived on the site at 9:30 A.M. and drove to the office where Mr. Ewell was awaiting our arrival. Mr. Webb and Mr. Flechner arrived shortly after our arrival. After a short discussion we began a tour of the site. The man-gate above the office was locked and had to be opened to provide access to the pad and pond area.

The first area inspected was the top of the pad. The sprays were running at the time of our visit and the preg pond was about one third full. The spray application area was ice covered with small "ice castles" around the wobbler risers. The depth of the ice build-up on the pad was hard to estimate but a portion of the water inventory was contained in the ice. The spray application area was the same area that was being covered during the visit in September.

Tom Munson inquired about the misters alluded to in the November 10<sup>th</sup> meeting with North Lily representatives. Mr. Webb directed our attention to an area to the South of the present application where a length of ½ inch poly-pipe several hundred feet long, had been placed with several small sprays attached. Mr. Ewell noted that holes had been punched in the pipe to provide additional spray capacity. Mr. Webb stated that this was the area they added to the system to aid in the evaporation of the 700,000 gallons of solution inventory. This added portion of the sprays was not running at the time of the visit. There was a noted absence of any salt build up, which surrounds the old spray areas, in this new spray area.

The next area visited was the Southeast corner of the pad to inspect efforts to remove materials that had slumped into the ditches. There had been no change since my visit on October 24, 1999. Water was still backed up in the ditch above the blockage. The small ditch that had been opened through

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the blockage was still evident but it still was not draining the water being held in the ditch above the blockage. The area off the containment in this area was still wet and salts were evident. Mr. Ewell stated that the wet area was due to the precipitation events that had taken place recently. This area has shown signs of solutions leaving the pad on every site visit since our visit on September 9, 1999. The work done to date has not alleviated this problem.

We walked along the East ditch to the overflow pond. The small ditch cut through the blockage on the South end of the ditch was the only recent work that I could see in any of the ditches.

The pond area was visited next. I could not see much change in these areas since my October 24<sup>th</sup> visit. Besides the holes in the primary liner of the preg pond, most of the obvious holes in the secondary liners in the barren and overflow ponds had been patched. None of the holes noted earlier in the preg pond had been patched to date.

A quick check of the process plant noted that all the components that were on site in September, remain. No change could be seen in this area or the areas surrounding the plant.

The site tour ended at this point and we left to continue our inspection tour of other sites.

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